



## Cylinder Gas SF6 Sulfur Hexafluoride Specialty Gas GB DOT Standard Sulfur Hexafluoride Gas

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: SF6
- Minimum Order Quantity: 1kg
- Price: US \$ 9.5/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 5000 Tons/Year



### Product Specification

- Product Name: Sulfur Hexafluoride
- Melting Point: -50.8 °C
- Boiling Point: -63.8 °C
- Appearance: Colorless Gas
- Valve: Qf-2/Cga 580
- Cylinder Pressure: 15MPa/20MPa
- Purity: 99.999%
- Cylinder Volume: 40L/47L/50L
- Cylinder Standard: GB/DOT
- Transport Package: 40L, 47L, 50L, 500L
- Specification: 40L, 47L, 50L, 500L
- Trademark: CMC
- Origin: China
- HS Code: 28129019
- Supply Ability: 5000tons/Year



### More Images



## Product Description

### SF6 Sulfur Hexafluoride Specialty Gas Cylinder tank

Sulfur hexafluoride (SF6) is a chemical compound composed of sulfur and six fluorine atoms. It is an inorganic, colorless, odorless, non-flammable, and non-toxic gas. SF6 is commonly used in various industrial applications due to its unique properties.

Here are some key points about sulfur hexafluoride:

**Electrical Insulator:** SF6 has excellent electrical insulating properties, which make it suitable for use in high-voltage electrical equipment such as circuit breakers, switchgear, and transformers. It effectively extinguishes electrical arcs and allows for compact designs of such equipment.

**Dielectric Medium:** SF6 is widely used as a dielectric medium in medium and high-voltage gas-insulated switchgear (GIS). It enables compact designs, efficient power transmission, and reduced maintenance requirements.

**Tracer Gas:** SF6 is used as a tracer gas in leak detection for various applications, including the monitoring of industrial processes, the testing of gas pipelines, and the detection of leaks in enclosed spaces such as buildings.

**Medical Applications:** SF6 is sometimes used as a contrast agent in medical imaging procedures, particularly for ultrasound examinations of the gastrointestinal tract. In this application, it is administered orally or rectally in a mixture with air or oxygen.

**Environmental Impact:** SF6 is a potent greenhouse gas with a high global warming potential (GWP). Its GWP is 23,500 times greater than that of carbon dioxide (CO2) over a 100-year period. Due to its long atmospheric lifetime, SF6 contributes to the greenhouse effect and is regulated under international agreements such as the Kyoto Protocol.

**Safety Considerations:** Although SF6 is non-toxic, it can displace oxygen and cause suffocation in high concentrations. Proper handling procedures and safety precautions should be followed when working with or transporting SF6.

#### Basic Info

|                    |                     |                     |               |
|--------------------|---------------------|---------------------|---------------|
| Transport Package: | 40L, 47L, 50L, 500L | Melting Point       | -50.8°C       |
| Trademark:         | CMC                 | Boiling Point       | -63.8°C       |
| Specification      | 99.995%, 99.999%    | Production Capacity | 5000tons/Year |
| Cylinder Pressure  | 15MPa/20MPa         | Valve               | Qf-2, Cga590  |
| Appearance         | Colorless, Odorless | Density             | 6.0886 Kg/M³  |

#### Specifications

| Specifications               | Company Standard |
|------------------------------|------------------|
| SF6                          | ≥ 99.995%        |
| Air                          | ≤ 10 ppm         |
| CF4                          | ≤ 2 ppm          |
| C2F6                         | ≤ 20 ppm         |
| C3F8                         | ≤ 5 ppm          |
| Low Sulfide                  | Not Detected     |
| H2O                          | ≤ 1 ppm          |
| Acidity as HF                | ≤ 0.1 ppm        |
| Hydrolysable Fluorides as HF | ≤ 0.3 ppm        |
| Mineral Oil                  | ≤ 1 ppm          |

#### Detailed Photos















Company  
Profile



Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as

semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc., Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative, reliable, and safe.

Our products mainly include: H<sub>2</sub>, O<sub>2</sub>, N<sub>2</sub>, Ar, CO<sub>2</sub>, propane, acetylene, helium, laser mixed gas, SiH<sub>4</sub>, SiH<sub>2</sub>Cl<sub>2</sub>, SiHCl<sub>3</sub>, SiCl<sub>4</sub>, NH<sub>3</sub>, CF<sub>4</sub>, NF<sub>3</sub>, SF<sub>6</sub>, HCL, N<sub>2</sub>O, doping mixed gas (TMB, PH<sub>3</sub>, B<sub>2</sub>H<sub>6</sub>) and other electronic gases.

|                    |                                |                               |                                                                                    |                   |                   |                  |                 |                                 |
|--------------------|--------------------------------|-------------------------------|------------------------------------------------------------------------------------|-------------------|-------------------|------------------|-----------------|---------------------------------|
| SiCl <sub>4</sub>  | NH <sub>3</sub>                | NH <sub>3</sub>               | CH <sub>3</sub> F                                                                  | SiH <sub>4</sub>  | Kr                | H <sub>2</sub> S | WF <sub>6</sub> | F <sub>6</sub> +Cl <sub>2</sub> |
| 4MS                | C <sub>3</sub> F <sub>8</sub>  | C <sub>3</sub> F <sub>8</sub> | TEOS                                                                               | CH <sub>4</sub>   | PH <sub>3</sub>   | SF <sub>6</sub>  | C <sub>2</sub>  | HCl+Ne                          |
| CF <sub>4</sub>    | C <sub>4</sub> F <sub>8</sub>  | SiH <sub>2</sub>              |  |                   |                   |                  |                 | TMB+H <sub>2</sub>              |
| SiF <sub>4</sub>   | C <sub>3</sub> H <sub>8</sub>  | Cl <sub>2</sub>               |                                                                                    |                   |                   |                  |                 | He +As                          |
| BBr <sub>3</sub>   | C <sub>3</sub> H <sub>6</sub>  | DCE                           |                                                                                    |                   |                   |                  |                 | Ge+Se                           |
| POCl <sub>3</sub>  | N <sub>2</sub>                 | SO <sub>2</sub>               |                                                                                    |                   |                   |                  |                 | D+B                             |
| BCl <sub>3</sub>   | D <sub>2</sub>                 | CO <sub>2</sub>               |                                                                                    |                   |                   |                  |                 | CO+NO                           |
| SiHCl <sub>3</sub> | CH <sub>2</sub> F <sub>2</sub> | HF                            |                                                                                    |                   |                   |                  |                 | Ar+O <sub>2</sub>               |
| TMAI               | DMZn                           | DEZn                          |                                                                                    |                   |                   |                  |                 | Xe+NO                           |
| AsH <sub>3</sub>   | C <sub>2</sub> H <sub>4</sub>  | C <sub>2</sub> H <sub>2</sub> | HBr                                                                                | COS               | Ar+O <sub>2</sub> |                  |                 |                                 |
| GeH <sub>4</sub>   | C <sub>2</sub> H <sub>6</sub>  | B <sub>2</sub> H <sub>6</sub> | H <sub>2</sub> Se                                                                  | GeCl <sub>4</sub> | Xe+NO             |                  |                 |                                 |



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